

# TORREYA

December, 1914.

Vol. 14

No. 12

## THE FLORA OF THE TOWN OF SOUTHOLD, LONG ISLAND, AND GARDINER'S ISLAND

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(Continued from November TORREYA)

### PTERIDOPHYTA

#### OPHIOGLOSSACEAE

- Botrychium dissectum* Spreng.—Rare at Orient and East Marion.  
*B. neglectum* Wood—Rare at East Marion in rich woods.  
*B. obliquum* Muhl.—Rare.  
*B. virginianum* (L.) Sw.

#### OSMUNDACEAE

- Osmunda cinnamomea* L.  
*O. Claytoniana* L.  
*O. regalis* L.

#### POLYPODIACEAE

- Adiantum pedatum* L.—Rare at Orient.  
*Anchistea virginica* (L.) Presl.—Greenport in swamps. (*Woodwardia virginica* (L.) J. E. Sm.)  
*Asplenium platyneuron* (L.) Oakes—Orient in cedar woods; also the var. *serratum* (E. S. Miller) BSP.  
*Athyrium Filix-foemina* (L.) Roth—Also the var. *latifolium* Babingt. (*Asplenium Filix-foemina* (L.) Bernh.)  
*Dennstaedtia punctilobula* (Mx.) Moore.  
*Dryopteris Clintoniana* (D. C. Eaton) Dowell—Rare.  
*D. cristata* (L.) A. Gray—Orient.  
*D. hexagonoptera* (Mx.) C. Chr.—Rare at Orient; also occurs at Greenport and Southold. (*Phegopteris hexagonoptera* (Mx.) Fee.)  
*D. intermedia* (Muhl.) Gray—Orient.  
*D. marginalis* (L.) A. Gray—Rare at Orient.  
*D. noveboracensis* (L.) A. Gray—Orient.  
*D. simulata* Davenp.—Orient.  
*D. spinulosa* (Muell.) Ktze.—Orient.  
*D. Thelypteris* (L.) A. Gray.  
*Lorinseria areolata* (L.) Presl.—Greenport in swamps. (*Woodwardia areolata* (L.) Moore.)

[No. 11, Vol. 14 of TORREYA, comprising pp. 201-228, was issued 27 November 1914]

- Onoclea sensibilis* L.  
*Polypodium vulgare* L.—Mattituck.  
*Polystichum acrostichoides* (Mx.) Schott.—Orient.  
*Pteridium aquilinum* (L.) Kuhn.

## EQUISETACEAE

- Equisetum arvense* L.

## LYCOPODIACEAE

- Lycopodium complanatum* L.—Rare at Greenport.  
*L. inundatum* L.—Rare at Southold, the var. *Bigelovii* Tuck.  
*L. lucidulum* Mx.—Rare at Greenport.  
*L. obscurum* L.—Rare at Greenport, the var. *dendrodeum* (Mx.) D. C. Eaton.

## SELAGINELLACEAE

- Selaginella rupestris* (L.) Spring.—Rare at Orient in sandy soil, Nov., 1910 and 1911.

## SPERMATOPHYTA

## GYMNOSPERMAE

## PINACEAE

- Juniperus sibirica* Burgsd.—Rare at Southold on sandy hills. (*Juniperus nana* Willd.)  
*J. virginiana* L.—Prostrate forms also occur.  
*Picea rubens* Sargent.—Rare at Orient.  
*Pinus rigida* Mill.

## ANGIOSPERMAE

## MONOCOTYLEDONES

## TYPHACEAE

- Typha angustifolia* L.  
*T. latifolia* L.

## SPARGANIACEAE

- Sparganium americanum* Nutt.—Rare at Greenport in a stream.  
*S. androcladon* (Engelm.) Morong—Greenport.  
*S. diversifolium* Graeb.—Rare at Southold, 8 Aug., 1910.  
*S. eurycarpum* Engelm.—Rare on Gardiner's Island.

## ZANNICHELLIACEAE

- Potamogeton Oakesianus* Robbins—Greenport and Southold in ponds.  
*P. pusillus* L.—Greenport in a shallow pond.  
*Ruppia maritima* L.—Salt-water ponds and creeks.

## ZOSTERACEAE

- Zostera marina* L.

## SCHEUCHZERIAACEAE

- Triglochin maritima* L.—Salt marshes.

## ALISMACEAE

- Alisma subcordatum* Raf.—(Formerly confused with *Alisma-Plantago-aquatica* L.)  
*Sagittaria latifolia* Willd.—Rare and variable.

## GRAMINEAE

- Agropyron repens* (L.) Bv.—Meadows and cultivated soil.  
*Agrostis alba* L.—Also the var. *vulgaris* (With.) Thurb.  
*A. canina* L.—Orient.  
*A. hyemalis* (Walt.) BSP.—Wooded swamps and brackish meadows; determined in part by Mrs. Agnes Chase.  
*A. maritima* Lam.—Salt marshes; determined in part by Mrs. Chase.  
*Alopecurus pratensis* L.—Rare at Orient in a low field; determined at the New York Botanical Garden.  
*Ammophila arenaria* (L.) Link—Orient.  
*Andropogon furcatus* Muhl.—Orient in shaded places.  
*A. glomeratus* (Walt.) BSP.—Rare at Orient.  
*Anthoxanthum odoratum* L.  
*Aristida dichotoma* Mx.  
*A. gracilis* Ell.—Orient in meadows; specimens in N. Y. State Herbarium.  
*A. purpurascens* Poir—Rare at Gardiner's Island; specimens in N. Y. State Herbarium.  
*Arrhenatherum elatius* (L.) Bv.—Determined in part by Mrs. Chase.  
*Aspris caryophyllea* (L.) Nash—Greenport. (*Aira caryophyllea* L.)  
*Bromus hordeaceus* L.—Orient in sandy soil.  
*B. pürgans* L.—Rare at Orient.  
*B. racemosus* L.—Rare at Orient.  
*B. secalinus* L.—Cultivated grounds; determined in part by Mrs. Chase.  
*B. tectorum* L.—Rare at Orient in sandy soil.  
*Calamagrostis canadensis* (Mx.) Bv.—Low grounds.  
*Cenchrus tribuloides* L.—Rare at Orient and Gardiner's Island.  
*Chaetochloa glauca* (L.) Scribn.—Orient in cultivated soil.  
*C. imberbis* (Poir.) Scribn.—Salt marshes.  
*C. italica* (L.) (Scribn.)—Escaped from cultivation at Orient.  
*C. viridis* (L.) Scribn.  
*Cinna arundinacea* L.—Greenport.  
*C. latifolia* (Trev.) Griseb.—Greenport; specimens in N. Y. State Herbarium.  
*Cynosorus cristatus* L.—Rare at Orient in waste places.  
*Dactylis glomerata* L.—Meadows.  
*D. anthonia spicata* (L.) Bv.—Determined in part by Mrs. Chase.  
*Deschampsia flexuosa* (L.) Trin.  
*Distichlis spicata* (L.) Greene  
*Echinochloa Crus-galli* (L.) Bv.  
*E. Walteri* (Pursh) Nash.  
*Eleusine indica* (L.) Gaertn.  
*Elymus canadensis* L.—Beaches.  
*E. virginicus* L.—Salt marshes.  
*Eragrostis Eragrostis* (L.) Karst.  
*E. major* Host.—Rare at Orient.  
*E. pectinacea* (Mx.) Steud.—Orient on hillsides.  
*E. pilosa* (L.) Bv.—Rare at Orient along roads.  
*Festuca capillata* Lam.—Orient in meadows; determined by Mr. P. L. Ricker.  
*F. elatior* L.

- F. nutans* Willd.—Orient.  
*F. octostora* Walt.—Orient in light soil.  
*F. ovina* L.—Orient; also the var. *pseudovina* Hack., on sandy beaches, determined by Mrs. Chase.  
*Homalocenchrus oryzoides* (L.) Poll.—About swamps and ponds.  
*H. virginicus* (Willd.) Britton—Greenport.  
*Hordeum jubatum* L.—Rare at Orient.  
*Lolium perenne* L.—Orient in a meadow.  
*Muhlenbergia mexicana* (L.) Trin.  
*M. Schreberi* Gmeln.—Orient in cedar woods.  
*M. umbrosa* Scribn.—Low woods. (*Muhlenbergia sylvatica* Torr.)  
*Nothololcus lanatus* (L.) Nash—(*Holcus lanatus* L.)  
*Panicularia acutiflora* (Torr.) Ktze.—Orient about ponds.  
*P. grandis* (Wats.) Nash—Determined by Mrs. Chase.  
*P. nervata* (Willd.) Ktze.—Greenport in wooded swamps; also the var. *parviflora* (Vasey) in moist woods.  
*Panicularia pallida* (Torr.) Ktze.—Greenport.  
*P. septentrionalis* (Hitc.) Bicknell—Greenport in wet woods, specimens with very long panicles.  
*Panicum agrostoides* Spreng.—Orient; specimens in N. Y. State Herbarium.  
*P. amarum* Ell.—Southold on sandy beaches; specimens in N. Y. State Herbarium.  
*P. Ashei* Pearson—Orient; determined by Mrs. Chase.  
*P. Bicknellii* Nash.  
*P. Boscii* Poir.  
*P. capillare* L.—A weed in cultivated soil.  
*P. cladestinum* L.  
*P. columbianum* Scribn.—Determined by Mrs. Chase.  
*P. Commonsianum* Ashe—Determined by Mrs. Chase.  
*P. depauperatum* Muhl.—Sandy soil; determined by Mrs. Chase.  
*P. dichotomiflorum* Mx.—Cultivated soil. (Formerly confused with *Panicum proliferum* Lam.)  
*P. dichotomum* L.—Determined by Mrs. Chase.  
*P. huachucae* Ashe—Sandy soil; also the var. *silvicola* Hitc. & Chase, determined by Mrs. Chase.  
*P. implicatum* Scribn.  
*P. meridionale* Ashe—Determined by Mrs. Chase. (*Panicum oricola* Hitc. & Chase.)  
*P. microcarpon* Muhl.—Rare at Greenport, also "a rare form with pubescent spikelets" in cedar woods at Orient; determined by Mrs. Chase. (*Panicum barbulatum* Nash.)  
*P. polyanthes* Schultes—Determined by Mrs. Chase.  
*P. Scribnerianum* Nash—Hilly pastures at East Marion.  
*P. sphaerocarpon* Ell.—Greenport; determined by Mrs. Chase.  
*P. spretum* Schultes—Orient in wet meadows; reported in N. Y. State Mus. Bull. 139: 27. 1910.  
*P. verrucosum* Muhl.—Rare at Orient.  
*P. virgatum* L.—Margins of salt marshes; determined in part by Mrs. Chase.  
*Paspalum circulare* Nash—Greenport and East Marion; specimens in N. Y. State Herbarium.

- P. Muhlenbergii* Nash.  
*P. psammophilum* Nash.  
*P. setaceum* Mx.—Specimens in N. Y. State Herbarium.  
*Phleum pratense* L.  
*Phragmites Phragmites* (L.) Karst.—Orient in swamps.  
*Poa annua* L.  
*P. compressa* L.—Sandy soil.  
*P. pratensis* L.—Meadows.  
*P. triflora* Gilib.—Orient about ponds; determined in part by Mrs. Chase. (Formerly confused with *Poa flava* L.)  
*Savastana odorata* (L.) Scribn.—Wet meadows.  
*Schizachyrium scoparium* (Mx.) Nash—(*Andropogon scoparius* Mx.)  
*Sorghastrum nutans* (L.) Nash—Orient in moist woods.  
*Spartina Michauxiana* Hitchc.  
*S. patens* (Ait.) Muhl.—Also var. *juncea* (Mx.) Hitchc.; specimens in N. Y. State Herbarium.  
*S. stricta* (Ait.) Roth—The var. *alterniflora* (Lois.) A. Gray.  
*Sphenopolis pallens* (Spreng.) Scribn.—Rare at Orient. (*Eatonia pennsylvanica* (DC.) Gray.)  
*Sporobolus asper* (Mx.) Kunth—Orient.  
*S. cryptandrus* (Torr.) A. Gray—Sandy beaches; reported in N. Y. State Mus. Bull. 150: 49. 1911.  
*Sporobolus uniflorus* Muhl.—Greenport. (*Sporobolus serotinus* (Torr.) A. Gray.)  
*S. vaginaeflorus* Torr.—Orient.  
*Stipa avenacea* L.—Rare at East Marion and Southold; specimens in N. Y. State Herbarium.  
*Syntherisma Ischaemum* (Schreb.) Nash—(*Syntherisma linearis* (Krock.) Nash.)  
*Tridens flava* (L.) Hitchc.—Dry soil.  
*Triplasis purpurea* (Walt.) Chapm.—Sandy hills.  
*Tripsacum dactyloides* L.—Upper edge of salt marsh at Orient, 19 July, 1909; specimens in N. Y. State Herbarium.

## CYPERACEAE

- Carex albolutescens* Schwein.  
*C. albursina* Sheldon—Greenport.  
*C. blanda* Dew.—Orient.  
*C. canescens* L.—Also the var. *disjuncta* Fernald; specimens of the variety in N. Y. State Herbarium.  
*C. cephalophora* Muhl.—Shaded places.  
*C. comosa* Boott.—Margins of swamps.  
*C. complanata* Torr.—(*Carex triceps*, var. *hirsuta* (Willd.) Bailey.)  
*C. crinita* Lam.—Swampy places.  
*C. digitalis* Willd.—Dry open woods.  
*C. festucacea* Schkuhr.—The var. *brevior* (Dew.) Fernald; determined at Bureau of Plant Industry.  
*C. flexuosa* Muhl.—Greenport. (*Carex tenuis* Rudge.)  
*C. foenea* Willd.  
*C. folliculata* L.—Greenport in swampy woods; also a slender form.  
*C. grisea* Wahl.—Determined at Bureau of Plant Industry.

- C. hormathodes* Fernald—Wet places.  
*C. intumescens* Rudge—Greenport.  
*C. lasiocarpa* Ehrh.—Greenport. (*Carex filiformis* L.)  
*C. Leersii* Willd.—Orient in swamps; also *Carex stellulata*, var. *excelsior* (Bailey) Fernald.  
*C. lupulina* Muhl.—Wet woods; also the var. *pedunculata* Dew.  
*C. lurida* Wahl.—Wet places; also the var. *parvula* (Paine) Bailey.  
*C. Muhlenbergii* Schkr.—Dry open woods; in part determined at Bureau of Plant Industry.  
*C. pallescens* L.—Orient in moist soil; plants with spikes on longer stalks than usual.  
*C. pennsylvanica* Lam.—Orient and East Marion in dry woods.  
*C. rosea* Schkr.—Hilly woods.  
*C. rosaeoides* E. C. Howe—Orient. (*Carex seorsa* E. C. Howe.)  
*C. rostrata* Stokes—Wet places. (*Carex utriculata* Boott.)  
*C. scoparia* Schkr.—Low grounds.  
*C. silacea* Olney—Salt marshes.  
*C. squarrosa* L.—Greenport.  
*C. stipata* Muhl.—Greenport in wet woods.  
*C. straminea* Willd.—Orient.  
*C. stricta* Lam.  
*C. typhina* Mx.—Greenport. (*Carex typhinoidea* Schwein.)  
*C. varia* Muhl.—Greenport.  
*C. vestita* Willd.—Orient in open woods and moist soil.  
*C. virescens* Muhl.—Dry open woods; in part determined at Bureau of Plant Industry.  
*C. vulpinoidea* Mx.—Sandy hillsides and low woods.  
*C. Willdenowii* Schukr.—Determined at Bureau of Plant Industry.  
*C. dentatus* Torr.—Rare at Orient.  
*C. diandrus* Torr.—Wet places and near the beach.  
*C. esculentus* L.—Greenport.  
*C. ferax* L. C. Richard.—Rare near the beach; specimens in N. Y. State Herbarium.  
*C. filiculmis* Vahl—Sandy hillsides and beaches.  
*C. filicinus* Vahl—Low grounds and beaches; specimens in N. Y. State Herbarium. (*Cyperus Nuttallii* Eddy.)  
*C. Grayi* Torr.—Southold; specimens in N. Y. State Herbarium.  
*C. Houghtoni* Torr.—Orient.  
*C. strigosus* L.—Low grounds; also the var. *capitatus* Boeckl.  
*Dulichium arundinaceum* (L.) Britton—Swamps.  
*Eleocharis acicularis* (L.) R. & S.  
*E. acuminata* (Muhl.) Nees—Greenport.  
*E. intermedia* (Muhl.) Schultes—Greenport.  
*E. olivacea* Torr.—Greenport in a cat-tail swamp; also Orient.  
*E. obtusa* (Willd.) Schultes—In part determined at Bureau of Plant Industry.  
*E. palustris* (L.) R. & S.—Greenport in wet places.  
*E. tenuis* (Willd.) Schultes—Swampy places.  
*Eriophorum virginicum* L.—Rare at Orient in wet places.

*Fimbristylis autumnalis* (L.) R. & S.—Wet places.

*F. castanea* (Mx.) Vahl—Rare at Orient on salt marshes; plants with shining(!) scales were collected 14 July 1913; specimens in N. Y. State Herbarium.

*Mariscus mariscoides* (Muhl.) Ktze.—(*Cladium mariscoides* (Muhl.) Torr.)

*Rynchospora corniculata* (Lam.) A. Gray—Rare at Orient, the var. *macrostachya* (Torr.) Britton.

*R. glomerata* (L.) Vahl—Low grounds.

*Scirpus americanus* Pers.—Salt marshes and beaches.

*S. atrovirens* Muhl.—Orient.

*S. cyperinus* (L.) Kunth—Wet places in open woods; also *Scirpus pedicellatus* Fernald.

*S. Olneyi* A. Gray—Southold; specimens in N. Y. State Herbarium.

*S. paludosus* A. Nels.—Orient on salt marshes.

*S. robustus* Pursh.

*S. validus* Vahl.

*Stenophyllus capillaris* (L.) Britton—Sandy hillsides.

## ARACEAE

*Acorus calamus* L.

*Arisaema triphyllum* (L.) Torr.

*Peltandra virginica* (L.) Kunth—Greenport in wet woods.

*Spathyema foetida* (L.) Raf.—Greenport.

## LEMNACEAE

*Lemna minor* L.—Greenport, floating on pools.

## XYRIDACEAE

*Xyris caroliniana* Walt.—Southold.

## ERIOCAULACEAE

*Eriocaulon septangulare* With.—Southold.

## COMMELINACEAE

*Commelina communis* L.—Roadsides and waste places.

## PONTEDERIACEAE

*Pontederia cordata* L.—Greenport and Southold.

## JUNCACEAE

*Juncoides campestre* (L.) Ktze.

*Juncus acuminatus* Mx.

*J. articulatus* L.—Greenport.

*J. balticus* Willd.—Brackish meadow at Orient, 30 May, 1910, and 3 June, 1914.

*J. bufonius* L.—Margin of salt marshes; specimens in N. Y. State Herbarium.

*J. canadensis* J. Gay.

*J. dichotomus* Ell.—Orient in cultivated field and in swamps, the var. *platyphyllus* Wieg.; in part determined at Bureau of Plant Industry.

*J. effusus* L.

*J. Gerardi* Lois.—Salt marshes; used for hay.

*J. Greenei* Oakes & Tuck.—Orient on hills.

*J. marginatus* Rostk.—Rare.

*J. pelocarpus* E. Meyer—Wet places.

*J. scirpoides* Lam.—Orient.

*J. secundus* Bv.—Orient about wet places.

*J. tenuis* Willd.—Also a few-flowered form; and the var. *anthelatus* Wieg., determined at Bureau of Plant Industry.

## MELANTHACEAE

*Veratrum viride* Ait.—Greenport and Gardiner's Island.

## LILIACEAE

*Allium canadense* L.—Rare at Orient in dry woods.

*A. vineale* L.—Orient.

*Hemerocallis fulva* L.—Orient, escaped along roads.

*Lilium canadense* L.

*L. superbum* L.—Orient.

*L. tigrinum* Andr.—Escaped to roadsides and meadows.

*Ornithogalum umbellatum* L.—Escaped at Orient.

## CONVALLARIACEAE

*Asparagus officinalis* L.

*Polygonatum biflorum* (Walt.) Ell.

*P. commutatum* (R. & S.) Dietr.

*Unifolium canadense* (Desf.) Greene.

*Uvularia perfoliata* L.

*U. sessilifolia* L.

*Vagnera racemosa* (L.) Morong—Some of the plants unusually pubescent (!); specimens in N. Y. State Herbarium.

*V. stellata* (L.) Morong.

## TRILLIACEAE

*Medeola virginiana* L.

*Trillium cernuum* L.—Rare at Greenport.

## SMILACEAE

*Smilax glauca* Walt.

*S. herbacea* L.

*S. rotundifolia* L.

## AMARYLLIDACEAE

*Hypoxis hirsuta* (L.) Coville.

## DIOSCOREACEAE

*Dioscorea villosa* L.—Rare on Gardiner's Island and at Southold in moist woods.

## IRIDACEAE

*Iris prismatica* Pursh—Orient; specimens in N. Y. State Herbarium.

*I. versicolor* L.

*Sisyrinchium angustifolium* Mill.

*S. atlanticum* Bicknell—Orient.

*S. graminoides* Bicknell—Rare at Greenport in moist woods; determined at Bureau of Plant Industry.

## ORCHIDACEAE

*Blephariglottis blephariglottis* (Willd.) Rydb.—Orient in bogs; determined at the New York Botanical Garden.



- B. lacera* (Mx.) Farwell.  
*Fissipes acaulis* (Ait.) Small—Rare at East Marion and Southold. (*Cypripedium acaule* Ait.)  
*Ibidium cernuum* (L.) House—Orient. (*Spiranthes cernua* (L.) Richard.)  
*I. gracile* (Bigel.) House.  
*I. praecox* (Walt.) House—Specimens in N. Y. State Herbarium.  
*Limodorum tuberosum* L.—Rare at Orient.  
*Peranium pubescens* (Willd.) MacM.  
*Perularia flava* (L.) Farwell—Rare at Orient; determined at New York Botanical Garden.  
*Tipularia uniflora* (Muhl.) BSP.—Rare at Greenport, 21 Aug. (flowers) and 30 Oct. (fruit), 1911; "a colony of about 30 plants"; reported in N. Y. State Mus. Bull. 157: 42. 1912. The 19 July, 1914, Mr. Latham spent fully two hours hunting for *Tipularia* before he was successful; so perfectly does the little dark-colored stem blend with the surrounding dead laurel twigs that one almost loses it when they remove the eye from it. The 24 Aug. 1914, it was decided that a forest fire had destroyed the colony of 30 plants; for the corms were exposed more than one-half out of the ground.

## DICOTYLEDONES

## JUGLANDACEAE

- Hicoria alba* (L.) Britton—Rare; specimens in N. Y. State Herbarium.  
*H. cordiformis* (Wang.) Britton—(*Hicoria minima* (Marsh.) Britton.)  
*H. glabra* (Mill.) Britton.  
*H. ovata* (Mill.) Britton.

## MYRICACEAE

- Comptonia peregrina* (L.) Coult.—East Marion.  
*Myrica carolinensis* Mill.

## SALICACEAE

- Populus alba* L.—Roadsides and in woods.  
*P. candicans* Ait.—Rarely escaped at Orient.  
*P. deltoides* Marsh.—Roadsides and open woods.  
*P. heterophylla* L.—Greenport in a swamp.  
*P. grandidentata* Mx.—Moist woods.  
*P. italica* Moench.—Rarely escaped at Orient.  
*P. tremuloides* Mx.  
*Salix alba* L.  
*S. Bebbiana* Sarg.—Wet meadows and swamps.  
*S. cordata* Muhl.—Rare at Orient in swamps.  
*S. discolor* Muhl.—Rare at Orient.  
*S. fragilis* L.  
*S. humilis* Marsh.—Dry soil.  
*S. interior* Rowlee—Rare at Orient in wet places. (*Salix longifolia* Muhl.)  
*S. lucida* Muhl.—Rare at Orient.  
*S. nigra* Marsh.—Rare in low grounds.  
*S. purpurea* L.—Escaped at Orient; specimens in N. Y. State Herbarium.  
*S. sericea* Marsh.—East Marion.

## BETULACEAE

- Alnus incana* (L.) Willd.—Greenport.  
*A. rugosa* (DuRoi) Spreng.—Rare at Orient.  
*Betula lenta* L.—Greenport.  
*B. populifolia* Marsh.  
*Corylus americana* Walt.—Rare at Orient.  
*C. rostrata* Ait.—Orient.  
*Ostrya virginiana* (Mill.) Willd.

## FAGACEAE

- Castanea dentata* (Marsh.) Borkh.  
*Fagus grandiflora* Ehrh.—Greenport, East Marion and Southold; unknown at Orient. (*Fagus americana* Sweet.)  
*Quercus alba* L.—More common at Greenport than at Orient.  
*Q. bicolor* Willd.—Greenport.  
*Q. coccinea* Wang.  
*Q. Muhlenbergii* Engelm.—Rare at Greenport.  
*Q. palustris* DuRoi—Rare.  
*Q. prinus* L.—More common at Greenport than at Orient.  
*Q. rubra* L.—Rare.  
*Q. stellata* Wang.—Sandy soil.  
*Q. velutina* Lam.

## ULMACEAE

- Celtis occidentalis* L.

## MORACEAE

- Toxylon pomiferum* Raf.—Escaped from cultivation.

## CANNABINACEAE

- Humulus Lupulus* L.—Rare at Orient in open woods.

## URTICACEAE

- Boehmeria cylindrica* (L.) Sw.  
*Pilea pumila* (L.) A. Gray.

## SANTALACEAE

- Comandra umbellata* (L.) Nutt.—Light sandy soil.

## ARISTOLOCHIACEAE

- Asarum canadense* L.—Determined at New York Botanical Garden.

## POLYGONACEAE

- Persicaria Hydropiiper* (L.) Opiz—Cultivated fields and about yards. (*Polygonum Hydropiiper* L.)  
*P. hydropiiperoides* (Mx.) Small—About ponds and wet places.  
*P. lapathifolia* (L.) S. F. Gray—Rare at Orient.  
*P. pennsylvanica* (L.) Small.  
*P. Persicaria* (L.) Small.  
*P. punctata* (Ell.) Small—Fields, waste places and about swamps.  
*Polygonella articulata* (L.) Meisn.—Orient.  
*Polygonum aviculare* L.—Yards and roadsides; sometimes on sandy beaches far from dwellings.

- P. buxiforme* Small—Beaches; specimens in N. Y. State Herbarium. (Formerly confused with *Polygonum littorale* Link.)
- P. erectum* L.—Orient in yards and on beaches.
- P. maritimum* L.—Beaches on Gardiner's Island; specimens in N. Y. State Herbarium.
- P. prolificum* (Small) Robins.—Orient; specimens in N. Y. State Herbarium.
- P. tenue* Mx.—Rare at Orient.
- Tiniaria Convolvulus* (L.) Webb & Moq.—Plants with the achene more shining than usual (!). (*Polygonum Convolvulus* L.)
- T. dumetorum* (L.) Opiz—Rare at Orient.
- T. scandens* (L.) Small.
- Tovara virginiana* (L.) Raf.—Gardiner's Island and rare at Greenport. (*Polygonum virginianum* L.)
- Tracaulon arifolium* (L.) Raf.—Swampy woods. (*Polygonum arifolium* L.)
- T. sagittatum* (L.) Small—Gardiner's Island.
- Rumex Acetosella* L.
- R. Brittanica* L.—Rare at Greenport in a swamp.
- R. crispus* L.
- R. hastatulus* Muhl.
- R. obtusifolius* L.
- R. pallidus* Bigel.—Rare at Orient; reported in N. Y. State Mus. Bull. 139: 29. 1910.
- R. persicarioides* L.—Rare at Orient.
- R. verticillatus* L.—Rare at Greenport.

## AMARANTHACEAE

- Acnida tuberculata* Moq.—Rare at Greenport, margin of marshes.
- Amaranthus blitoides* S. Wats.—Rare at Orient in waste places.
- A. graecizans* L.
- A. hybridus* L.
- A. retroflexus* L.

## CHENOPODIACEAE

- Atriplex arenaria* Nutt.—Orient on beaches and salt marshes.
- A. hastata* L.—Beaches and salt marshes; also *Atriplex littoralis* L., specimens in N. Y. State Herbarium.
- Chenopodium album* L.
- C. ambrosioides* L.
- C. glaucum* L.—Orient, 10 Oct. 1910, a recent introduction from New York City in stable manure.
- C. hybridum* L.—Orient on sandy beaches and salt marshes.
- C. leptophyllum* (Moq.) Nutt.—Orient on sandy beaches.
- C. urbicum* L.—Orient.
- Dondia maritima* (L.) Druce.
- Salicornia ambigua* Mx.
- S. Bigelovii* Torr.
- S. europaea* L.—The *Salicornias* determined by Dr. C. H. Peck.
- Salsola Kali* L.—Specimens in N. Y. State Herbarium.

## PHYTOLACCACEAE

*Phytolacca americana* L.—(*Phytolacca decandra* L.)

## AIZOACEAE

*Mollugo verticillata* L.

*Sesuvium maritimum* (Walt.) BSP.—Gardiner's Island; specimens in N. Y. State Herbarium.

## PORTULACACEAE

*Claytonia virginica* L.—Rare at East Marion.

*Portulaca oleracea* L.

## ALSINACEAE

*Alsine graminea* (L.) Britton—Rare at Orient.

*A. media* L.

*Arenaria serpyllifolia* L.—Orient.

*Cerastium viscosum* L.—Reported in N. Y. State Mus. Bull. 139: 33. 1910.

*C. vulgatum* L.

*Honkenya peploides* (L.) Ehrh.—Orient on beaches; specimens in N. Y. State Herbarium. (*Arenaria peploides* L.)

*Moeblingia lateriflora* (L.) Fenzl.

*Sagina decumbens* (Ell.) T. & G.—Rare at East Marion; reported in N. Y. State Mus. Bull. 150: 48. 1911.

*S. procumbens* L.

*Spergula arvensis* L.

*Tissa marina* (L.) Britton—Specimens in N. Y. State Herbarium.

*T. rubra* (L.) Britton—Rare at Orient.

## CARYOPHYLLACEAE

*Agrostemma Githago* L.

*Dianthus Armeria* L.

*Lychnis alba* Mill.—Roadsides.

*L. Coronaria* (L.) Desr.—Rare at Orient.

*L. dioica* L.—Rare at Orient.

*Saponaria officinalis* L.

*Silene antrirrhina* L.

*S. caroliniana* Walt.—Orient and Southold in sandy soil.

*S. latifolia* (Mill.) Britton & Rendle—Rare.

*S. noctiflora* L.—Rare at Orient.

*S. stellata* (L.) Ait.—Rare at Orient.

*Vaccaria Vaccaria* (L.) Britton—Rare at Orient.

## NYMPHAEACEAE

*Castalia odorata* (Dryand.) Woodv. & Wood.

## MAGNOLIACEAE

*Liriodendron Tulipifera* L.—Rare at Greenport.

## RANUNCULACEAE

*Anemone quinquefolia* L.

*A. virginiana* L.

*Aquilegia canadensis* L.—Rare at Orient.

- Callha palustris* L.—Rare at Southold in wet places.  
*Clematis virginiana* L.  
*Halerpestes Cymbalaria* (Pursh) Greene—Waste places at Orient; determined at Bureau of Plant Industry. (*Ranunculus Cymbalaria* Pursh.)  
*Ranunculus abortivus* L.—Rare at Orient.  
*R. acris* L.—Rare at Greenport and Southold.  
*R. bulbosus* L.  
*R. delphinifolius* Torr.—Rare at Orient.  
*R. recurvatus* Poir.—Greenport; plants with a bulbous base (!).  
*R. sceleratus* L.—Rare at Greenport and Southold in muddy places.  
*Thalictrum polygamum* Muhl.  
*T. revolutum* DC.—Orient. (*Thalictrum purpurascens* Am. auth.)

## BERBERIDACEAE

*Berberis vulgaris* L.

## LAURACEAE

- Benzoin aestivale* (L.) Nees—Greenport and Gardiner's Island in wet woods.  
*Sassafras Sassafras* (L.) Karst.

## PAPAVERACEAE

- Glaucium Glaucium* (L.) Karst.—Rare at Orient; but frequent on Gardiner's Island.  
*Papaver Rhoeas* L.—Rare at Orient.  
*P. somniferum* L.—Rare at Orient.

## CRUCIFERAE

- Alyssum alyssoides* L.—Rare at Orient; determined at Bureau of Plant Industry.  
*Arabis glabra* (L.) Bernh.—Sandy soil (purplish plants).  
*Armoracia Armoracia* (L.) Britton—Rare at Orient. (*Roripa Armoracia* (L.) A. S. Hitchc.)  
*Barbarea Barbarea* (L.) MacM.  
*B. verna* (Mill.) Aschers—Rare at Orient; determined at Bureau of Plant Industry.  
*Berteroa incana* (L.) DC.—Rare at Orient in meadows.  
*Brassica campestris* L.—Cultivated fields.  
*B. juncea* (L.) Cosson—Rare at Orient.  
*B. Napus* L.  
*B. nigra* (L.) Koch—Rare in waste ground.  
*Bursa Bursa-pastoris* (L.) Britton.  
*Cakile edentula* (Bigel.) Hook.—Upper edge of salt marshes.  
*Camelina sativa* (L.) Crantz—Orient in grain fields; reported in N. Y. State Mus. Bull. 150: 24. 1911.  
*Cardamine arenicola* Britton—Greenport; specimens in N. Y. State Herbarium.  
*C. pennsylvanica* Muhl.—Orient in muddy places.  
*Draba verna* L.—Dry hilly shaded places.  
*Erysimum officinale* L.—(*Sisymbrium officinale* (L.) Scop.)  
*Koniga maritima* (L.) R. Br.—Rare at Orient.  
*Lepidium campestre* (L.) R. Br.—Meadows.  
*L. densiflorum* Schrad.—Rare at Orient. (Formerly confused with *Lepidium apetalum* Willd.)  
*L. sativum* L.—Meadows.

*L. virginicum* L.

*Norta altissima* (L.) Britton—Rare at Orient in meadows. (*Sisymbrium altissimum* L.)

*Radicula palustris* (L.) Moench—(*Roripa palustris* (L.) Bess.)

*Raphanus Raphanistrum* L.

*R. sativus* L.—Grain fields.

*Sinapis arvensis* L.—(*Brassica arvensis* (L.) BSP.)

*Sisymbrium Nasturtium-aquaticum* L.—Rare at Orient. (*Roripa Nasturtium* (L.) Rusby.)

*Sophia Sophia* (L.) Britton—Rare at Orient.

#### DROSERACEAE

*Drosera intermedia* Hayne

*D. rotundifolia* L.—Rare at Southold.

#### CRASSULACEAE

*Sedum triphyllum* (Haw.) S. F. Gray—Rare. (*Sedum telephium* Am. auth.)

#### SAXIFRAGACEAE

*Micranthes virginiensis* (Mx.) Small—Rare at Orient. (*Saxifraga virginiensis* Mx.)

#### HAMAMELIDACEAE

*Hamamelis nivirgiana* L.—Greenport, Southold and Gardiner's Island in moist woods; no Orient records.

#### GROSSULARIACEAE

*Grossularia Cynosbati* (L.) Mill.—Orient in woods. (*Ribes Cynosbati* L.)

*G. oxyacanthoides* (L.) Mill.

*Ribes vulgare* Lam.—Orient. (Formerly confused with *Ribes rubrum* L.)

#### PLATANACEAE

*Platanus occidentalis* L.

#### ROSACEAE

*Agrimonia gryposepala* Wallr.

*Argentina Anserina* (L.) Rydb.—Orient and Gardiner's Island on beaches and salt marshes.

*Fragaria vesca* L.—Woods.

*F. virginiana* Duchesne—Hills and swamps (variable).

*Geum canadense* Jacq.

*Geum flavum* (Porter) Bicknell—Greenport.

*G. virginianum* L.

*Potentilla argentea* L.—Orient.

*P. canadensis* L.

*P. monspeliensis* L.

*P. pumila* Poir.—Orient and East Marion.

*P. simplex* Mx.—Orient.

*Rosa carolina* L.—Sometimes the bushes are almost wholly unarmed.

*R. cinnamomea* L.—Rarely escaped at Orient.

*R. rubiginosa* L.—Sandy soil and shaded places.

*R. rugosa* Thunb.—Rarely escaped at Orient on sandy beaches; determined at Bureau of Plant Industry.

- R. virginiana* Mill.—Both forms occur, *Rosa humilis* Marsh. and *Rosa lucida* Ehrh.  
*Rubus alleghaniensis* Porter.  
*R. hispidus* L.—Sandy bogs.  
*R. occidentalis* L.  
*R. phoenicolasius* Maxim.—Orient, established in woods.  
*R. procumbens* Muhl.  
*R. strigosus* Mx.  
*Sanguisorba canadensis* L.—Greenport in wet woods.  
*Spirea latifolia* (Ait.) Borkh.—Wet places.  
*S. tomentosa* L.—Orient.

## MALACEAE

- Amelanchier canadensis* (L.) Medic.  
*Aronia arbutifolia* (L.) Ell.—Orient.  
*A. atropurpurea* Britton.  
*A. melanocarpa* (Mx.) Britton.—Orient.  
*Crataegus chrysoarpa* Ashe—Rare at Orient. (*Crataegus rotundifolia* (Ehrh.) Borkh.)  
*C. Crus-Galli* L.  
*C. monogyna* Jacq.—Rare at Greenport. (Formerly confused with *Crataegus Oxyacantha* L.)  
*Malus Malus* (L.) Britton.

## AMYGDALACEAE

- Padus virginiana* (L.) Mill.—(*Prunus serotina* Ehrh.)  
*Prunus americana* Marsh.—Rare at Orient.  
*P. Avium* L.—Roadsides.  
*P. Cerasus* L.—Wood margins.  
*P. domestica* L.—Rare, a degenerate form.  
*P. maritima* Wang.—Rare at Greenport; but more abundant at Orient, Southold and Gardiner's Island.

## CAESALPINIACEAE

- Chamaecrista fasciculata* (Mx.) Greene.  
*Gleditschia triacanthos* L.—Rare at Orient.

## FABACEAE

- Baptisia tinctoria* (L.) R. Br.  
*Coronilla varia* L.—Rare at Greenport; specimens in N. Y. State Herbarium.  
*Cracca virginiana* L.—Mattituck.  
*Falcata comosa* (L.) Ktze.—Rare at Orient in rich woods.  
*Glycine Apios* L.—Swamps; plants sometimes with 3 leaflets. (*Apios Apios* (L.) MacM.)  
*Lathyrus maritimus* (L.) Bigel.  
*Lespedeza capitata* Mx.  
*L. frutescens* (L.) Britton—Southold.  
*L. hirta* (L.) Hornem.  
*L. procumbens* Mx.—East Marion.  
*L. Stuevei* Nutt.—Southold.  
*L. violacea* (L.) Pers.—Greenport and Southold.  
*L. virginica* (L.) Britton—Southold.  
*Lupinus perennis* L.—Southold in sandy soil.

- Medicago hispida* Gaertn.—Rare at Greenport.  
*M. lupulina* L.—Greenport.  
*M. sativa* L.—Rare in meadows.  
*Meibomia canadensis* (L.) Ktze.—Rich woods.  
*M. Dillenii* (Darl.) Ktze.—Greenport and Southold in rich woods.  
*M. grandiflora* (Walt.) Ktze.  
*M. nudiflora* (L.) Ktze.—Southold.  
*M. viridiflora* (L.) Ktze.—Rare at Greenport; determined at Bureau of Plant Industry.  
*Melilotus alba* Desv.—Greenport.  
*Phaseolus polystachyus* (L.) BSP.—Orient in woods.  
*Robinia Pseudo-Acacia* L.  
*R. viscosa* Vent.  
*Strophostyles helvola* (L.) Britton—Near beaches; specimens in N. Y. State Herbarium.  
*Trifolium agrarium* L.  
*T. arvense* L.  
*T. hybridum* L.—Meadows.  
*T. incarnatum* L.—Rare.  
*T. pratense* L.  
*T. procumbens* L.—Rare.  
*T. repens* L.  
*Vicia angustifolia* L.—Orient; also the var. *segetalis* (Thuill.) Koch; reported in N. Y. State Mus. Bull. 150: 49. 1911.  
*V. hirsuta* (L.) Koch—Rare at Orient; determined at Bureau of Plant Industry.

## GERANIACEAE

- Erodium cicutarium* (L.) L'Her.—Mattituck.  
*Geranium maculatum* L.  
*Robertiella Robertiana* (L.) Hanks—(*Geranium Robertianum* L.)

## OXALIDACEAE

- Xanthoxalis Brittoniae* Small  
*X. stricta* (L.) Small.

## LINACEAE

- Cathartolinum striatum* (Walt.) Small—Brackish meadows and wet woods. (*Linum striatum* Walt.)  
*C. virginianum* (L.) Reichenb.  
*Linum usitatissimum* L.—Rare in grain fields.

## BALSAMINACEAE

- Impatiens biflora* Walt.—Greenport, Southold and Gardiner's Island in wet places.

## SIMAROUFACEAE

- Ailanthus glandulosa* Desf.—Rare at Greenport.

## POLYGALACEAE

- Polygala cruciata* L.—Orient.  
*P. lutea* L.—Rare at Greenport.



- P. paucifolia* Willd.—Orient, the station destroyed by cultivation; determined at New York Botanical Garden.  
*P. polygama* Walt.—Dry open woods.  
*P. verticillata* L.—Dry hilly soil.  
*P. viridescens* L.—Moist woods.

## EUPHORBIACEAE

- Acalypha gracilens* A. Gray.  
*A. virginica* L.  
*Chamaesyce maculata* (L.) Small—Cultivated fields. (*Euphorbia maculata* L.)  
*C. polygonifolia* (L.) Small.  
*Tithymalus Cyparissias* (L.) Hill—Roadsides. (*Euphorbia Cyparissias* L.)  
*T. Lathyrus* (L.) Hill—Rare at Orient in waste places; determined at Bureau of Plant Industry.

## CALLITRICHACEAE

- Callitriche heterophylla* Pursh—Edge of a pond in woods at Greenport; determined at Bureau of Plant Industry.  
*C. palustris* L.—Rare at Orient in a pond, 1908; determined at New York Botanical Garden. Not found since and perhaps the many years of drought have killed the roots.

## ANACARDIACEAE

- Rhus copallina* L.  
*R. glabra* L.  
*Toxicodendron radicans* (L.) Ktze.—Plants may be either low or high climbing; the leaves sometimes toothed. (*Rhus radicans* L.)  
*T. vernix* (L.) Ktze.—Rare.

## ILICACEAE

- Ilex bronxensis* Britton—Rare at Orient; specimens in N. Y. State Herbarium.  
*I. glabra* (L.) A. Gray—Rare at East Marion.  
*I. verticillata* (L.) A. Gray.

## CELASTRACEAE

- Celastrus scandens* L.

## ACERACEAE

- Acer carolinianum* Walt.—Rare on Gardiner's Island. (*Acer rubrum tridens* Wood.)  
*A. Negundo* L.—Escaped at Orient.  
*A. rubrum* L.  
*A. saccharinum* L.

## RHAMNACEAE

- Ceanothus americanus* L.—Rare at Southold.  
*Rhamnus cathartica* L.—Orient.

## VITACEAE

- Parthenocissus quinquefolia* (L.) Planch.  
*Vitis aestivalis* Mx.  
*V. bicolor* LeConte.  
*V. Labrusca* L.—Moist thickets.

## TILIACEAE

- Tilia americana* L.

## MALVACEAE

- Abutilon Abutilon* (L.) Rusby—Orient in cultivated fields.  
*Hibiscus Moscheutos* L.

*H. Trionum* L.—Rare at Greenport.

*Malva rotundifolia* L.

HYPERICACEAE

*Hypericum canadense* L.—Wet meadows; specimens in N. Y. State Herbarium.

*H. majus* (A. Gray) Britton—Moist places.

*H. mutilum* L.—Moist places.

*H. perforatum* L.

*H. punctatum* Lam.—(*Hypericum maculatum* Walt.)

*Sarothra gentianoides* L.

*Triadenum virginicum* (L.) Raf.

CISTACEAE

*Crocanthemum canadense* (L.) Britton—East Marion. (*Helianthemum canadense* (L.) Mx.)

*C. majus* (L.) Britton—East Marion.

*Hudsonia tomentosa* Nutt.—Orient, Southold and Gardiner's Island on sandy beaches.

*Lechea intermedia* Leggett—Orient.

*L. Leggettii* Britt. & Holl.—Orient.

*L. maritima* Leggett.

*L. racemulosa* Lam.—Orient and Greenport; specimens in N. Y. State Herbarium.

*L. villosa* Ell.—Dry woods.

VIOLACEAE

*Viola cucullata* Ait.—Swamps.

*V. fimbriatula* J. E. Sm.

*V. lanceolata* L.

*V. pallens* (Banks) Brainerd.

*V. papilionacea* Pursh—The var. *domestica* Bicknell in old lawns.

*V. pedata* L.—East Marion and Greenport.

*V. primulifolia* L.—Greenport.

CACTACEAE

*Opuntia Opuntia* (L.) Coult.—Rare at Orient in sandy soil.

LYTHRACEAE

*Decodon verticillatus* (L.) Ell.

MELASTOMACEAE

*Rhexia virginica* L.—Rare at Orient.

ONAGRACEAE

*Chamaenerion angustifolium* (L.) Scop.—Rare at Orient.

*Circaea luteiana* L.

*Epilobium adenocaulon* Haussk.

*E. coloratum* Muhl.—Orient.

*E. lineare* Muhl.—Rare at Orient.

*E. palustre* L.—Rare at Orient.

*E. strictum* Muhl.—Rare at Orient.

*Isnardia palustris* L.—Wet places.

*Kneiffia Alleni* (Britton) Small—Orient.

*K. fruticosa* (L.) Raimann—Also the var. *pilosella* Britton.

*K. linearis* (Mx.) Spach—Orient.

*K. longipedicellata* Small—Orient.

- K. pumila* (L.) Spach.  
*Ludwigia alternifolia* L.—Swampy places.  
*Oenothera biennis* L.  
*O. Oakesiana* Robbins—Orient.

## HALORAGIDACEAE

- Myriophyllum humile* (Raf.) Morong—Rare at East Marion.  
*M. pinnatum* (Walt.) BSP.—Greenport in a pond; determined by P. L. Ricker.  
*Proserpinaca palustris* L.—Orient.

## ARALIACEAE

- Aralia nudicaulis* L.  
*A. racemosa* L.—Rare at Greenport.

## AMMIACEAE

- Angelica atropurpurea* L.—Rare at East Marion; specimens in N. Y. State Herbarium.  
*Cicuta maculata* L.  
*Daucus Carota* L.  
*Foeniculum Foeniculum* (L.) Karst.—Escaped at Orient.  
*Heracleum lanatum* Mx.  
*Ligusticum scoticum* L.—Orient, edge of woods bordering salt marshes; reported in N. Y. State Mus. Bull. 139: 25. 1910.  
*Pastinaca sativa* L.—Rare.  
*Ptilimnium capillaceum* (Mx.) Raf.  
*Sanicula canadensis* L.  
*S. marylandica* L.  
*Sium cicutaefolium* Schrank—Swampy woods.  
*Washingtonia Claytoni* (Mx.) Britton—Orient; specimens in N. Y. State Herbarium.  
*W. longistylis* (Torr.) Britton—Rare.

## CORNACEAE

- Cornus femina* Mill.—Rare at Orient but more abundant at East Marion and Southold. (*Cornus candidissima* Marsh.)  
*C. stolonifera* Mx.—Rare at Orient, edge of a swamp.  
*Cynoxylon floridum* (L.) Raf.—(*Cornus florida* L.)  
*Nyssa sylvatica* Marsh.

## CLETHRACEAE

- Clethra alnifolia* L.

## PYROLACEAE

- Chimaphila maculata* (L.) Pursh.  
*C. umbellata* (L.) Nutt.—Rare at Orient but more common at East Marion.  
*Pyrola americana* Sweet.  
*P. elliptica* Nutt.

## MONOTROPACEAE

- Hypopitys lanuginosa* (Mx.) Nutt.—In oak woods; the plants crimson.  
*Monotropa uniflora* L.

## ERICACEAE

- Azalea nudiflora* L.—Rare at Greenport in swamps.  
*A. viscosa* L.—Greenport and Orient in sandy swamps.

*Epigaea repens* L.—East Marion.

*Eubotrys racemosa* (L.) Nutt.—Rare at Greenport in swamps. (*Leucothoë racemosa* (L.) A. Gray.)

*Gaulthera procumbens* L.—Rare at Southold.

*Kalmia angustifolia* L.—Mattituck.

*K. latifolia* L.—East Marion and Southold.

*Uva-Ursi Uva-Ursi* (L.) Britton—Orient. (*Arctostaphylos Uva-Ursi* (L.) Spreng.)

*Xolisma ligustrina* (L.) Britton.

#### VACCINIACEAE

*Gaylussacia baccata* (Wang.) K. Koch—In woods.

*Oxycoccus macrocarpus* (Ait.) Pursh—Plants bearing two forms of fruit occur; taller plants bear oblong fruit and are rarer.

*Vaccinium angustifolium* Ait.—(*Vaccinium pennsylvanicum* Lam.)

*V. atrococcum* (A. Gray) Heller—In swamps.

*V. corymbosum* L.

*V. vacillans* Kalm—In woods.

#### PRIMULACEAE

*Anagallis arvensis* L.

*Lysimachia Nummularia* L.—Rare at Orient.

*L. quadrifolia* L.

*L. terrestris* (L.) BSP.

*Samolus floribundus* HBK.—Orient.

*Steironema ciliatum* (L.) Raf.—Gardiner's Island in low woods; determined by Norman Taylor.

*Trientalis americana* Pursh.

#### PLUMBAGINACEAE

*Limonium carolinianum* (Walt.) Britton.

#### OLEACEAE

*Fraxinus americana* L.—Greenport.

*Ligustrum vulgare* L.

*Syringa vulgaris* L.

#### GENTIANACEAE

*Bartonia virginica* (L.) BSP.—Rare.

*Sabbatia stellaris* Pursh—Orient on salt marshes; specimens in N. Y. State Herbarium.

#### APOCYNACEAE

*Apocynum androsaemifolium* L.

*A. cannabinum* L.—Rare at Orient; plants with the leaves lightly pubescent beneath.

*A. medium* Greene—Rare at Orient.

*A. pubescens* R. Br.—Rare at Orient; specimens in N. Y. State Herbarium.

*A. sibiricum* Jacq.—(*Apocynum album* Greene.)

*Vinca minor* L.—Roadsides at Greenport.

#### ASCLEPIADACEAE

*Asclepias amplexicaulis* J. E. Smith—Rare at Orient.

*A. purpurascens* L.—Orient.

- A. pulchra* Ehrh.—Orient in low ground.  
*A. syriaca* L.—Specimens in N. Y. State Herbarium.  
*A. tuberosa* L.—Rare at East Marion, Greenport and Southold.  
*A. verticillata* L.—Rare at Orient.

## CONVOLVULACEAE

- Convolvulus repens* L.—Orient.  
*C. sepium* L.—Orient; the flowers white or pinkish.  
*Ipomoea purpurea* (L.) Lam.—Escaped.

## CUSCUTACEAE

- Cuscuta arvensis* Beyrich—Orient and Southold.  
*C. compacta* Juss.—Greenport on *Clethra* and *Cephalanthus*.  
*C. Gronovii* Willd.

## POLEMONIACEAE

- Phlox paniculata* L.—Rarely escaped at Orient.  
*P. subulata* L.—The two stations at Orient have recently been destroyed by cultivation.

## BORAGINACEAE

- Cynoglossum officinale* L.—Rare at Orient.  
*Myosotis arvensis* (L.) Hill—Rare at Orient in cultivated grounds; determined at Bureau of Plant Industry.  
*M. virginica* (L.) BSP.—Rare at Orient; specimens in N. Y. State Herbarium.  
*Onosmodium virginianum* (L.) DC.—Rare at Orient on sandy beaches.

## VERBENACEAE

- Verbena hastata* L.  
*V. urticifolia* L.—Shaded places.

## LABIATAE

- Agastache nepetoides* (L.) Ktze.—Gardiner's Island in rich woods.  
*Clinopodium vulgare* L.—Gardiner's Island in rocky woods.  
*Collinsonia canadensis* L.—Gardiner's Island in rich woods.  
*Glecoma hederacea* L.—Rare at Orient.  
*Hedeoma pulegioides* (L.) Pers.—Rare in shaded places.  
*Koellia flexuosa* (Walt.) MacM.—Orient.  
*K. nutica* (Mx.) Britton—Rare at Orient.  
*K. virginiana* (L.) MacM.—Rare at Orient.  
*Lamium amplexicaule* L.—Orient in cultivated fields.  
*Leonurus Cardiaca* L.—Rare.  
*Lycopus americanus* Muhl.  
*L. membranaceus* Bicknell.  
*L. sessilifolius* A. Gray—Southold.  
*L. uniflorus* Mx.  
*L. virginicus* L.  
*Marrubium vulgare* L.—Orient.  
*Melissa officinalis* L.—Rare at Greenport.  
*Mentha gentilis* L.—Rare at Orient along roads.  
*M. piperita* L.—Rare at Orient.  
*M. spicata* L.  
*Nepeta Cataria* L.

*Prunella vulgaris* L.

*Scutellaria galericulata* L.—Swamps.

*S. lateriflora* L.—Orient and Greenport in low woods.

*Teucrium canadense* L.—Sandy beaches and rocky woods; specimens in N. Y. State Herbarium.

*Trichostema dichotomum* L.—Plants with pink flowers (!); reported in N. Y. State Mus. Bull. 157: 43. 1912.

#### SOLANACEAE

*Datura Stramonium* L.—Gardiner's Island and elsewhere.

*Lycium halimifolium* Mill.—Rare.

*Lycopersicon Lycopersicon* (L.) Karst.—Escaped.

*Physalis peruviana* L.—Escaped at Orient in waste places and in gardens.

*Physalodes physalodes* (L.) Britton—Escaped at Orient.

*Solanum Dulcamara* L.—Rare.

*S. nigrum* L.—Rare on sandy beaches.

#### SCROPHULARIACEAE

*Agalinis maritima* Raf.—Orient on salt marshes; specimens in N. Y. State Herbarium. (*Gerardia maritima* Raf.)

*A. purpurea* (L.) Britton—Orient; specimens in N. Y. State Herbarium.

*A. tenuifolia* (Vahl) Raf.—Dry hills.

*Chelone glabra* L.—Rare at Greenport.

*Dasystema flava* (L.) Wood—Greenport.

*D. pedicularia* (L.) Benth.—East Marion.

*D. virginica* (L.) Britton.

*Gratiola aurea* Muhl.—Rare at Orient.

*Ilysanthes attenuata* (Muhl.) Small—Orient.

*I. dubia* (L.) Barnh.—Orient.

*Linaria canadensis* (L.) Dum.

*L. Linaria* (L.) Karst.

*Melampyrum lineare* Lam.—The leaves are variable in outline.

*Mimulus ringens* L.—Greenport.

*Pedicularis canadensis* L.—Orient.

*Scrophularia leporella* Bicknell—Rare at Orient.

*Verbascum Blattaria* L.

*V. Thapsus* L.

*Veronica arvensis* L.—Orient.

*V. officinalis* L.—East Marion.

*V. peregrina* L.—Orient.

*V. serpyllifolia* L.

#### LENTIBULARIACEAE

*Setiscapella cleistogama* (A. Gray) Barnhart—Southold; determined at Bureau of Plant Industry. (*Utricularia cleistogama* (A. Gray) Britton.)

*Stomoisia cornuta* (Mx.) Raf.—Southold. (*Utricularia cornuta* Mx.)

#### OROBANCHACEAE

*Leptamnium virginianum* (L.) Raf.—Greenport.

*Thalesia uniflora* (L.) Britton—Rare at Orient.

## BIGNONIACEAE

*Bignonia radicans* L.—Rarely escaped at Orient. (*Tecoma radicans* (L.) DC.)

## PHRYMACEAE

*Phryma Leptostachya* L.—Gardiner's Island and Greenport in woods.

## PLANTAGINACEAE

*Plantago aristata* Mx.

*P. halophila* Bicknell—Orient on salt marshes; plants earlier to flower and more downy than *Plantago major* L.

*P. lanceolata* L.

*P. major* L.

*P. maritima* L.—Orient; specimens in N. Y. State Herbarium.

*P. media* L.

*P. pusilla* Pursh—Rare on dry hilltops; specimens in N. Y. State Herbarium.

*P. Rugelii* Dcne.—East Marion, shores of a pond.

*P. virginica* L.—East Marion in sandy soil.

## RUBIACEAE

*Cephalanthus occidentalis* L.

*Galium Aparine* L.—Orient in low rich shaded places.

*G. circaezans* Mx.—Rich woods.

*G. Claytoni* Mx.—Low grounds.

*G. lanceolatum* Torr.—Rare at Orient; determined at N. Y. Botanical Garden.

*G. palustre* L.—Greenport.

*G. pilosum* Ait.—Rare at Orient; the flowers purple.

*G. tinctorium* L.—Greenport in swampy woods.

*G. triflorum* Mx.—Greenport.

*Mitchella repens* L.—Plants sometimes having unusually large leaves.

## CAPRIFOLIACEAE

*Diervilla Diervilla* (L.) MacM.

*Lonicera japonica* Thunb.—Orient and East Marion in woods.

*L. sempervirens* L.—East Marion.

*Sambucus canadensis* L.

*S. racemosa* L.—Rare at Orient, the station now destroyed; determined at Bureau of Plant Industry.

*Triosteum aurantiacum* Bicknell.

*T. perfoliatum* L.—Rare at Orient.

*Viburnum acerifolium* L.—More abundant at Greenport than at Orient.

*V. dentatum* L.—“A form with leaves decidedly acuminate”; reported in N. Y. State Mus. Bull. 150: 49. 1911.

*V. Lentago* L.—Rare at Orient.

*V. venosum* Britton—Rare at East Marion in swamps; reported in N. Y. State Mus. Bull. 150: 41. 1911.

## VALERIANACEAE

*Valeriana officinalis* L.—Orient.

## CAMPANULACEAE

- Campanula rapunculoides* L.—Rarely escaped at Orient.  
*Specularia perfoliata* (L.) A. DC.—Rare in hilly woods.

## LOBELIACEAE

- Lobelia cardinalis* L.—Rare from Greenport to Southold.  
*L. inflata* L.  
*L. syphilitica* L.—Rare at Orient in low ground.

## CICHORIACEAE

- Apargia nudicaulis* (L.) Britton—Specimens in N. Y. State Herbarium. (*Leontodon nudicaule* (L.) Banks.)  
*Cichorium Intybus* L.—Orient.  
*Crepis capillaris* (L.) Wallr.—Orient. (*Crepis virens* L.)  
*C. setosa* Hall. f.—Reported in N. Y. State Mus. Bull. 150: 29. 1911.  
*C. tectorum* L.—Rare at Orient; determined by Dr. C. H. Peck.  
*Hieracium aurantiacum* L.—Rare at Orient.  
*H. Gronovii* L.—Orient; specimens in N. Y. State Herbarium.  
*H. paniculatum* L.—Greenport.  
*H. scabrum* Mx.—Plants with more naked stems than usual; specimens in N. Y. State Herbarium.  
*H. venosum* L.  
*Hypochaeris radicata* L.—Orient; specimens in N. Y. State Herbarium.  
*Krigia virginica* (L.) Willd.—Orient in light soil.  
*Lactuca canadensis* L.—Cedar woods and elsewhere; also the var. *montana* Britton.  
*L. sagittifolia* Ell.—Orient.  
*L. spicata* (Lam.) Hitchc.  
*Lapsana communis* L.—Rare at Orient; determined by P. L. Ricker.  
*Leontodon erythrospermum* (Andrz.) Britton—Light soil and on sandy beaches at Orient. (*Taraxicum erythrospermum* Andrz.)  
*L. Taraxicum* L.  
*Nabalus serpentarius* (Pursh) Hook.—Greenport.  
*N. trifoliolatus* Cass.  
*Picris echioides* L.—Reported in N. Y. State Mus. Bull. 139: 28. 1910.  
*P. hieracioides* L.—Rare at Orient; determined by Dr. C. H. Peck; reported in N. Y. State Mus. Bull. 150: 37. 1911.  
*Sonchus arvensis* L.—Rare at Orient.  
*S. asper* (L.) Hill.—Orient.  
*S. oleraceus* L.

## AMBROSIACEAE

- Ambrosia elatior* L.—(*Ambrosia artemisiaefolia* L.)  
*A. trifida* L.—Rare at Orient in cultivated fields.  
*Xanthium commune* Britton—Orient on beaches.  
*X. spinosum* L.—Rare on Gardiner's Island.

## COMPOSITAE

- Achillea Millefolium* L.—Also the *forma rosea*.  
*Anaphallis margaritacea* (L.) Benth. & Hook.—Rare.



- Antennaria neglecta* Greene.  
*A. plantaginifolia* (L.) Richards.  
*Anthemis arvensis* L.—Rare at Orient in meadows and waste places.  
*A. Cotula* L.  
*A. tinctoria* L.—Rare at Orient in meadows; specimens in N. Y. State Herbarium.  
*Arctium minus* Schkr.  
*Artemisia caudata* Mx.—Determined by Dr. C. H. Peck.  
*A. Stellariana* Bess.—Orient on beaches.  
*Aster cordifolius* L.—Greenport.  
*A. divaricatus* L.—Woods.  
*A. dumosus* L.—Orient in sandy soil.  
*A. ericoides* L.—Southold.  
*A. laevis* L.—Low woods; also the long-leaved form.  
*A. lateriflorus* (L.) Britton—Orient in woods.  
*A. macrophyllus* L.—The plants are variable.  
*A. multiflorus* Ait.  
*A. novae-angliae* L.—More common on Gardiner's Island than at Orient.  
*A. novi-belgii* L.—Low grounds.  
*A. paniculatus* Lam.  
*A. patens* Ait.—Dry hills.  
*A. puniceus* L.  
*A. salicifolius* Lam.—Orient in low places.  
*A. spectabilis* Ait.—Orient; also a form with white flowers.  
*A. subulatus* Mx.  
*A. tenuifolius* L.  
*A. Tradescanti* L.  
*A. undulatus* L.  
*A. vimineus* Lam.  
*Baccharis halimifolia* L.—Orient about salt marshes.  
*Bidens cernua* L.  
*B. comosa* (A. Gray) Wiegand—Low grounds.  
*B. connata* Muhl.—Low grounds; also a form with entire leaves.  
*B. discoidea* (T. & G.) Britton.  
*B. frondosa* L.  
*B. laevis* (L.) BSP.  
*Centaurea Cyanus* L.—Rare at Orient.  
*C. Jacea* L.—Rare at Orient in a dry pasture.  
*Chrysanthemum Leucanthemum* L.  
*Chrysopsis falcata* (Pursh) Ell.—Orient and Southold.  
*C. mariana* (L.) Ell.  
*Cirsium arvense* (L.) Scop.  
*C. discolor* (Muhl.) Spreng.  
*C. horridulum* Mx.—Specimens in N. Y. State Herbarium. (*Cirsium spinosissimum* (Walt.) Scop.)  
*C. lanceolatum* (L.) Hill.—Moist places.  
*C. mulicum* Mx.—Rare at Orient.  
*C. odoratum* (Muhl.) Britton.  
*Doellingeria umbellata* (Mill.) Nees.

- Erechtites hieracifolia* (L.) Raf.—Two forms occur, hairy and smooth plants; specimens in N. Y. State Herbarium.
- Erigeron annuus* (L.) Pers.
- E. philadelphicus* L.
- E. pulchellus* Mx.
- E. ramosus* (Walt.) BSP.
- Eupatorium aromaticum* L.—Southold.
- E. hyssopifolium* L.—Southold.
- E. maculatum* L.—Orient in low grounds.
- E. perfoliatum* L.
- E. purpureum* L.
- E. verbenae-folium* Mx.
- Euthamia graminifolia* (L.) Nutt.
- E. tenuifolia* (Pursh) Greene—Southold.
- Galinsoga parviflora* Cav.—Orient along roads; the var. *hispida* DC.
- Gnaphalium obtusifolium* L.
- G. uliginosum* L.
- Helianthus annuus* L.—Rarely escaped at Orient.
- H. divaricatus* L.
- H. giganteus* L.
- H. strumosus* L.
- H. tuberosus* L.
- Lacinaria spicata* (L.) Ktze.—Orient, a colony of 50 or more plants; specimens in N. Y. State Herbarium.
- Leptilon canadense* (L.) Britton.
- Mariana mariana* (L.) Hill—Orient in a garden; specimens in N. Y. State Herbarium.
- Onopordum Acanthium* L.—More common on Gardiner's Island than at Orient and East Marion; specimens in N. Y. State Herbarium.
- Pulchea camphorata* (L.) DC.
- Rudbeckia hirta* L.
- Senecio aureus* L.—Rare at Orient.
- S. vulgaris* L.—Rare in cultivated fields.
- Seriocarpus asteroides* (L.) BSP.
- Solidago altissima* L.
- S. aspera* Ait.—Reported in N. Y. State Mus. Bull. 139: 30. 1910.
- S. bicolor* L.
- S. caesia* L.
- S. juncea* Ait.—Plants variable.
- S. nemoralis* Ait.
- S. odora* Ait.
- S. rugosa* Mill.—The broad-leaved form and the form with small leaves.
- S. sempervirens* L.
- S. serotina* Ait.—Orient in swamps.
- S. ulmifolia* Muhl.
- Tanacetum vulgare* L.
- Vernonia noveboracensis* (L.) Willd.—Orient.